Synopsis

On

BeCom

Submitted To

Bhai Parmanand Vidya Mandir

Submitted By

Name : Vansh Bansal
Roll No. : 1251A

Introduction To Project

Becom is a software that is a computerised bank as well as an eCommerce store.

The Project uses Python and MySQL for storing and managing the database.

Every user of BeCom gets a wallet that can be used to pay in an eCommerce store.

In this project, the details are maintained like user details, wallet details, transactions, BeCom card, cart and orders.

The process of adding money, sending money, buying products can be done with the app in an instant because it is computerised.

The Transactions and reports can be viewed easily.

This Proposed System will be interactive, faster and user-friendly for the end-users. Using BeCom, the following actions can be performed.

- A Wallet
- Add Money
- Send Money
- Buy Products
- Generate Receipts
- Email Receipts
- Get BeCom Card
- Buy products from BeCom cards

The Project is to help increase cashless transactions because of their transactions and proofs. Online Transactions are much more secure and happen in an instant. Adding Money, Sending Money, Buying Products from a wallet or BeCom card.

EXISTING SYSTEM

Bank Management and Ecommerce involves many complex manual processes that can be done without a hassle by computerising them.

Processes: Adding Money, Sending Money, Buying Products from a wallet or BeCom card.

The Existing system involves transactions with cash and it is unsafe and complex to keep a track of income and transactions.

Finding out the final payment amount completely
relies on the bank manager and if he is absent.

It takes a long time to find out the
details during check out and is prone to errors.

Drawbacks of the Existing System

- Manual entry consumes more time.
- It is difficult to maintain the bulk of records in the manual.
- Restrictions in the users.
- Not easy to prepare the daily reports.
- Lack of accuracy and error-prone.
- Overall efficiency is less.
- Lots of paperwork.
- Non-secure.

● No perfect maintenance of report.
● No method to trace details
● Human errors

Advantages of the proposed system

The following are the objectives and highlights of the proposed system
● Secure data
● Faster process
● Error Free
● Better management
● Save a lot of manpower
● Can easily make the daily reports
● Elimination of Paperwork.
● High reliability and security.
● Fast and economical.

Modules

- Wallet
- BeCom Card
- Cart
- Transactions

MODULE DESCRIPTION

Wallet

The Wallet Module deals with sending, adding, and money into the user's wallet.

BeCom Card

The BeCom card module contains the BeCom cards that are attached to the user's wallet. Any user can use another user's credit card to pay. The Module lists all the cards attached to the user's bank.

Cart

Cart contains the list of items and products to be sold that can be bought by BeCom users either using a BeCom card or wallet. The Cart module handles payments and other stuff.

Transactions

Transactions module lists all the transactions done by the user from the BeCom Card or Wallet.

Software Requirement Specification

- Python
- MySQL

Hardware Specification:-

Processor: Pentium IV +
Clock Speed: 2 GHz
RAM: 512 MB
Hard disk Capacity: 80 GB
Keyboard: 101 Keys
Mouse: Optical Mouse

Software Specification:-

Front End: Python
Back End: MySQL
Operating System: Windows XP or above

Database Structure

User

Field Name	Data
Name	Text
Email	Text
Password	Text

Credit Card

Field Name	Data
Id	PK(Int)
card_number	Integer(Unique)
card_date_expire	Date
user	ForiegnKey(User)

Transactions

Field Name	Data
Id	PK(Int)
amount	int
Succession	Bool
Transfermoney	Bool
Cart	Bool
Addmoney	Bool
Desc	Text

Products

Field Name	Data
Product name	Text
Category	Text
SubCategory	Text
imageURL	Text
price	Int
desc	Text
pub_date	Date

Orders

Field Name	Data
Item json	ForiegnKey(products)
Name	Text
Email	Text
Address	Text
State	Text
Zipcode	Int